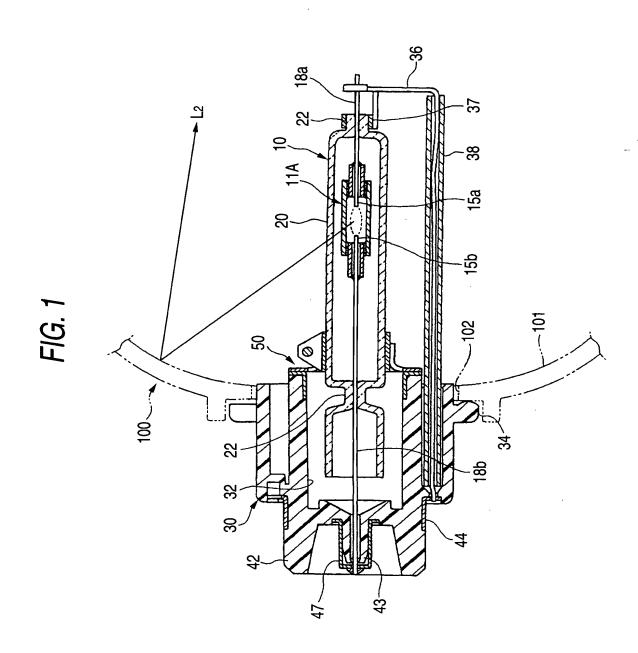


Q77365 10/656,336 Filed: September 8, 2003 Toshiaki TSUDA, et al. (202) 293-7060 ARC TUBE FOR DISCHARGE BULB Page 1 of 8



Q77365 10/656,336 Filed: September 8, 2003 Toshiaki TSUDA, et al. (202) 293-7060 ARC TUBE FOR DISCHARGE BULB Page 2 of 8

FIG. 2

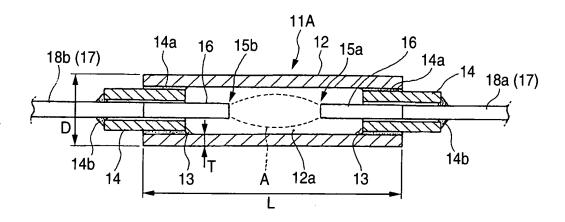


FIG. 3

INSIDE DIAMETER (mm)	WHOLE LUMINOUS FLUX	EVALUATION		
0.5	1200	×		
1.0	1630	×		
1.5	2030	0		
2.0	2390	0		
2.5	2730	0		

FIG. 4

INSIDE DIAMETER (mm)	WHOLE LUMINOUS FLUX	EVALUATION		
6.0	2600	0		
8.0	2560	0		
10.0	2410	0		
12.0	2250	0		
14.0	2030	0		
16.0	1780	×		
18.0	1370	×		

Q77365 10/656,336 Filed: September 8, 2003 Toshiaki TSUDA, et al. (202) 293-7060 ARC TUBE FOR DISCHARGE BULB Page 3 of 8

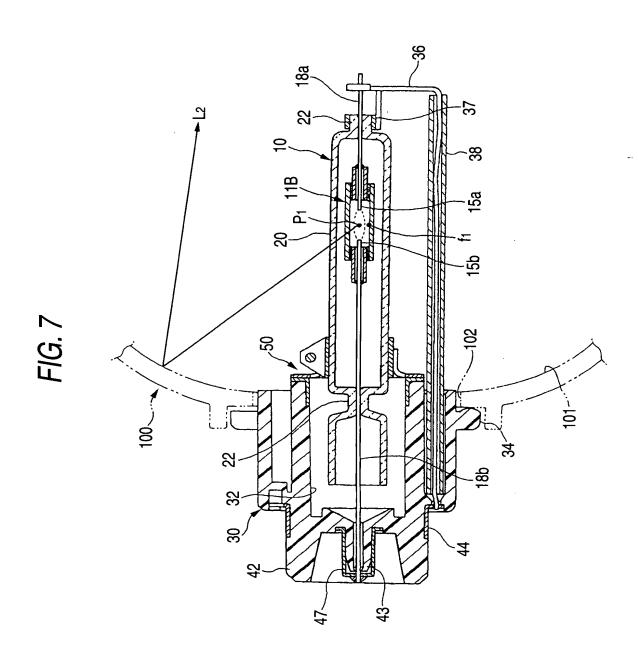
FIG. 5

THICKNESS OF LIGHT EMITTING TUBE (mm)	DURABILITY			
0.15	CRACK GENERATED BY ON/OFF STATE			
0.20	CRACK GENERATED BY ON/OFF STATE			
0.25	OK			
0.50	OK			
0.70	OK			
1.00	OK			
1.20	OK			
1.40	CRACK GENERATED BY ON/OFF STATE			

FIG. 6

OUTSIDE DIAMETER d (mm)	1.5	2.0	2.5	3.0	3.5	4.0	4.5
LENGTH OF LIGHT EMITTING TUBE L (mm)	4.0	0.37 ×	0.50 ×	0.62 ×	0.75 ×	×	×	×
	6.0	0.25 ×	0.33 O	0.41 O	0.50 ×	0.58 ×	0.66 ×	0.75 ×
	8.0	0.18 ×	0.25	0.31 O	0.37 O	0.43	0.50 O	0.56 ×
	10.0	0.15 ×	0.20	0.25 O	0.30	0.35 O	0.40 O	0.45 ×
	12.0	×	0.16 ×	0.20 O	0.25 O	0.29 O	0.33 O	0.37 ×
	14.0	×	×	0.17 ×	0.21 ×	0.25 O	0.28 O	0.32 ×

Q77365 10/656,336 Filed: September 8, 2003 Toshiaki TSUDA, et al. (202) 293-7060 ARC TUBE FOR DISCHARGE BULB Page 4 of 8



Q77365 10/656,336 Filed: September 8, 2003 Toshiaki TSUDA, et al. (202) 293-7060 ARC TUBE FOR DISCHARGE BULB Page 5 of 8

FIG. 8

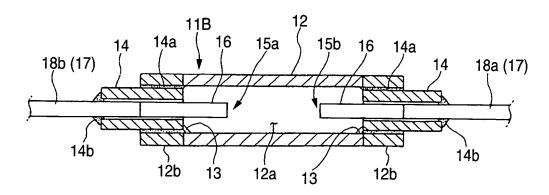


FIG. 9

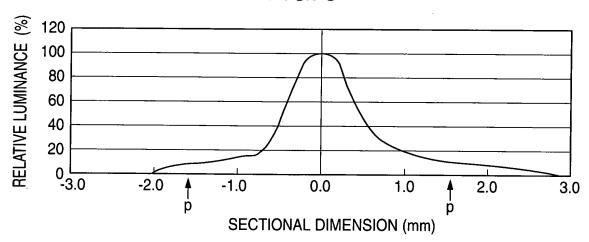
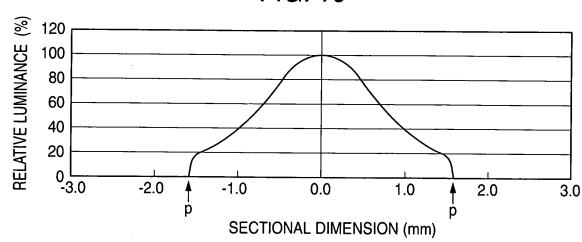


FIG. 10



Q77365 10/656,336 Filed: September 8, 2003 Toshiaki TSUDA, et al. (202) 293-7060 ARC TUBE FOR DISCHARGE BULB Page 6 of 8

FIG. 11

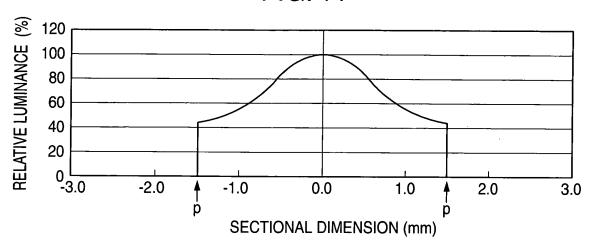


FIG. 12

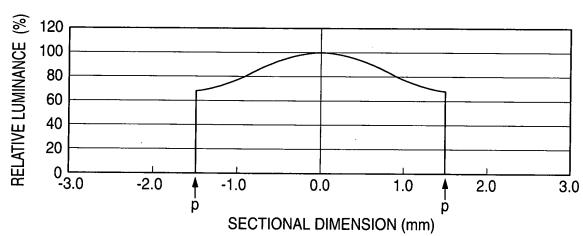
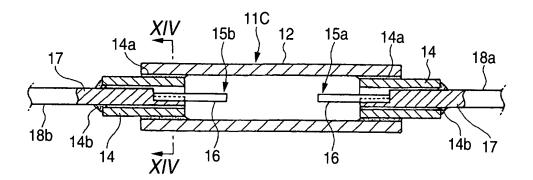
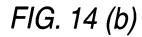


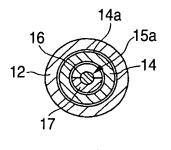
FIG. 13



Q77365 10/656,336 Filed: September 8, 2003 Toshiaki TSUDA, et al. (202) 293-7060 ARC TUBE FOR DISCHARGE BULB Page 7 of 8

FIG. 14 (a)





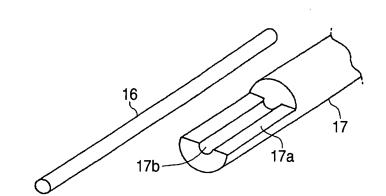
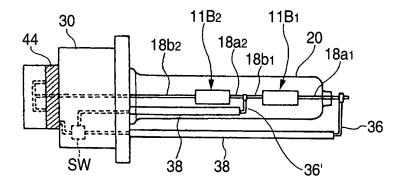


FIG. 15



Q77365 10/656,336 Filed: September 8, 2003 Toshiaki TSUDA, et al. (202) 293-7060 ARC TUBE FOR DISCHARGE BULB Page 8 of 8

FIG. 16

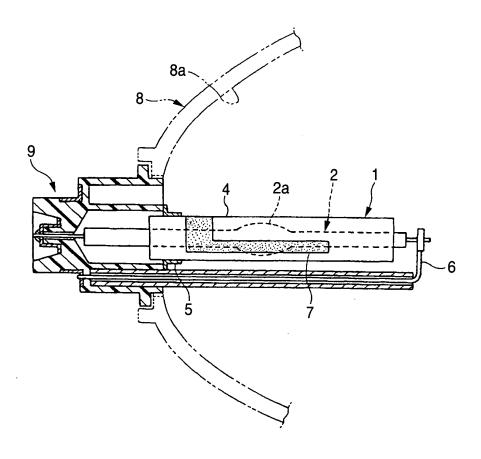


FIG. 17

